

## **LASER PRINTER IN COMMON USE AS FACSIMILE EQUIPMENT**

Patent Number: JP63023469  
Publication date: 1988-01-30  
Inventor(s): ITO KENZO; others: 01  
Applicant(s): CASIO COMPUT CO LTD; others: 01  
Requested Patent: JP63023469  
Application Number: JP19860162810 19860710  
Priority Number(s):  
IPC Classification: H04N1/23  
EC Classification:  
Equivalents:

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### **Abstract**

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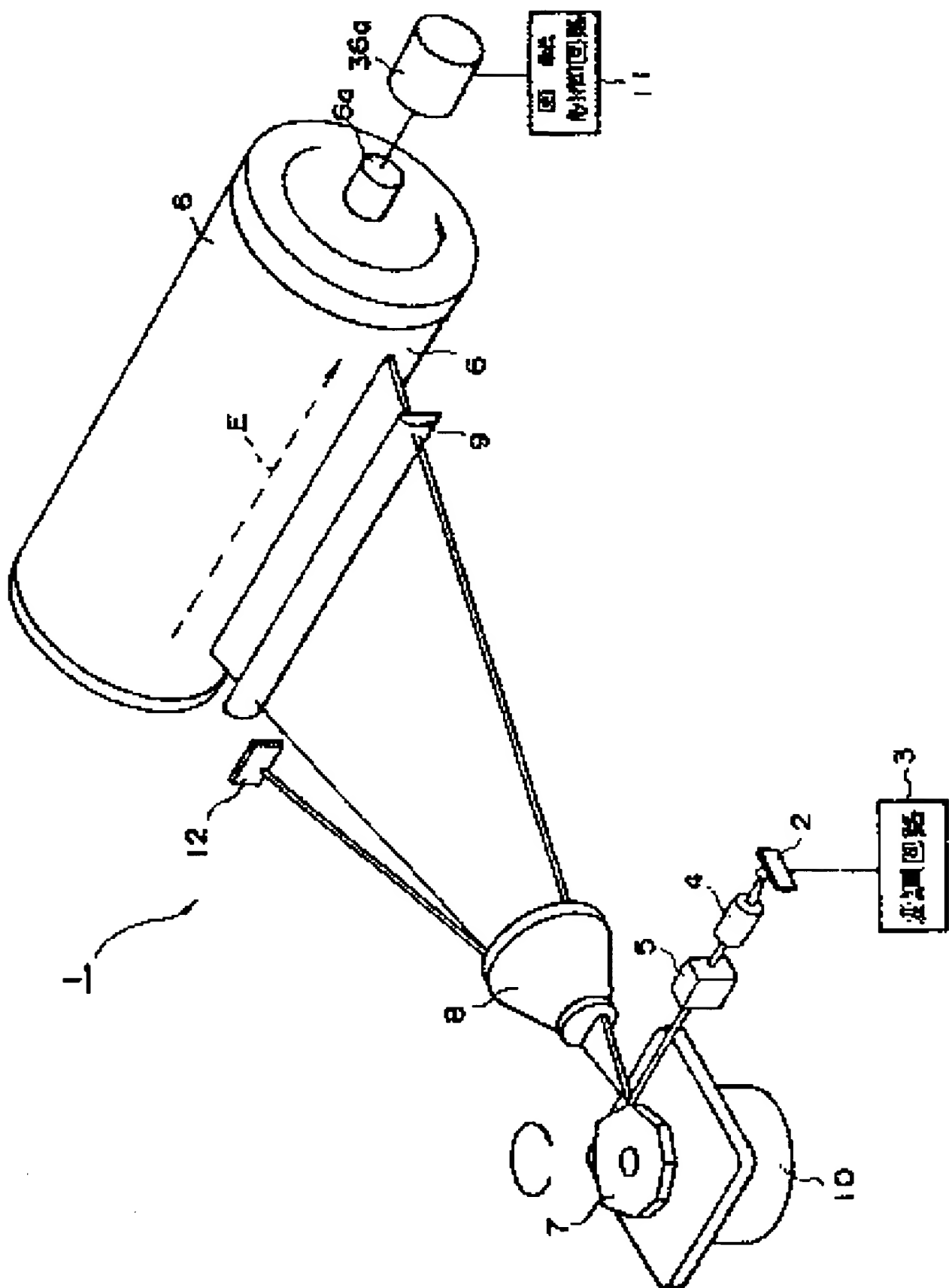
**PURPOSE:** To obtain nearly the same print picture of a printer as the print picture of a facsimile equipment by changing the shape of a light beam, a modulation frequency and a process speed depending on the laser printer mode and the facsimile mode.

**CONSTITUTION:** A modulation circuit 3 controlling the oscillating frequency of a laser diode 2, a beam shape changeover section 5 varying the beam shape of the laser light and a drive control circuit 11 for a motor 36a coupled directly to a shaft 6a of a photosensitive drum 6 are provided. The modulation frequency in the laser printer mode and the facsimile mode is respectively 1.021MHz and 864kHz, the process speed (speed of the photosensitive drum 6) of both the modes is respectively 52.05mm/s and 65mm/s, and the beam shape of a laser light is respectively circular and elliptic. Thus, the picture of a character code and a picture data inputted to an interface reception section and of a picture data inputted to a MODEM reception section is printed without being deformed.

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